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[Xin Qiu, Joseph Tuck, Yanyong Chen, Jagadeesan Sundaresan](#)

August 2007

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Many applications demand availability. Unfortunately, software failures greatly reduce system availability. Prior work on surviving software failures suffers from one or more of the following limitations: required application restructuring, inavailability ...

**Keywords:** Availability, Bug, Reliability, Software Failure

 2 [Mélange: creating a "functional" internet](#)
[Anil Madhavapeddy, Alex Ho, Tim Deegan, David Scott, Rishman Saha](#)

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Also published in:

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 3 [Pointer analysis for structured parallel programs](#)
[Ravi Rubin, Martin C. Rioux](#)

January 2003

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This paper presents a novel interprocedural, flow-sensitive, and context-sensitive pointer analysis algorithm for multithreaded programs that may concurrently update shared pointers. The algorithm is designed to handle programs with structured parallel ...

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